

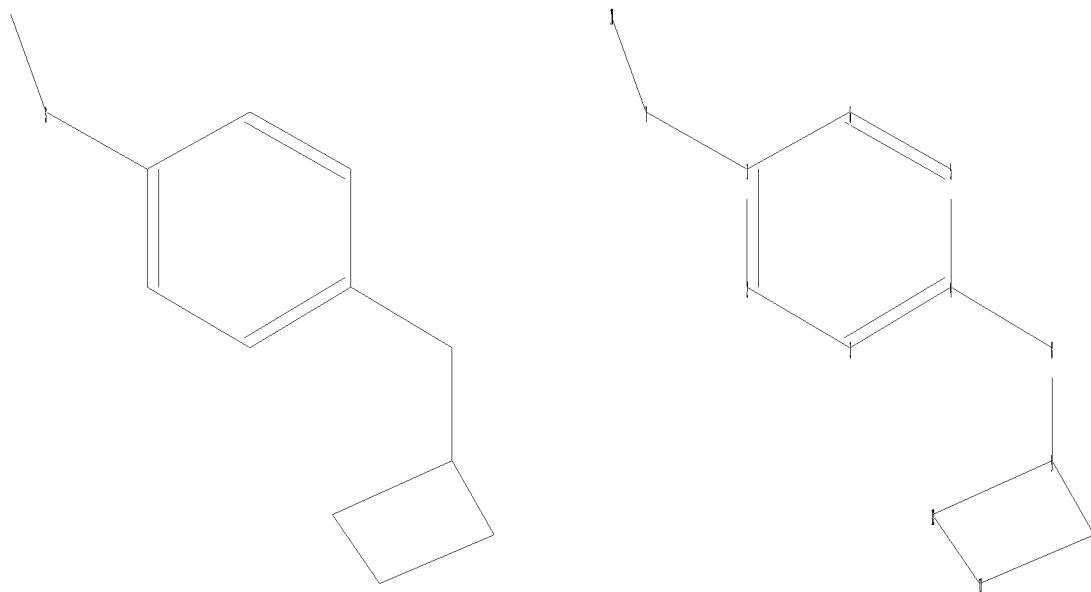
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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Documents and Settings\mpepitone\My Documents\ChemDraw\10534338\clmlc.str



```
chain nodes :
10
ring nodes :
1 2 3 4 5 6 9 11 12 13
ring/chain nodes :
7 8
chain bonds :
7-10
ring/chain bonds :
1-7 4-8 8-9
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-11 9-12 11-13 12-13
exact/norm bonds :
4-8 7-10 8-9 9-11 9-12 11-13 12-13
exact bonds :
1-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
```

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:CLASS
11:CLASS 12:Atom 13:Atom

L19 STRUCTURE UPLOADED

=> s l19 fam full
FULL SEARCH INITIATED 17:46:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 45 TO ITERATE

100.0% PROCESSED 45 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L20 1 SEA FAM FUL L19

=> fiel caplus
FIEL IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	70.11	1170.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-15.20

FILE 'CAPLUS' ENTERED AT 17:47:05 ON 10 JUL 2008
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FILE COVERS 1907 - 10 Jul 2008 VOL 149 ISS 2
FILE LAST UPDATED: 9 Jul 2008 (20080709/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s l20
L21 1 L20

=> d ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

L21 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:550934 CAPLUS
DOCUMENT NUMBER: 141:94041

L28 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
RE

- (1) Buu-Hoi; J ORG CHEM 1952, V17, P350 CAPLUS
- (2) Givaudan Sa; EP 1264547 A 2002 CAPLUS
- (3) Hughes, T; J PROC R SOC N S W 1948, V82, P262
- (4) Ogawa, H; JP 01161092 A 1989 CAPLUS
- (5) Stoll, M; US 4200660 A 1980 CAPLUS

=> fiel reg

FIEL IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	12.85	1451.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.80	-16.80

FILE 'REGISTRY' ENTERED AT 18:12:17 ON 10 JUL 2008
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STRUCTURE FILE UPDATES: 9 JUL 2008 HIGHEST RN 1033322-45-0
DICTIONARY FILE UPDATES: 9 JUL 2008 HIGHEST RN 1033322-45-0

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

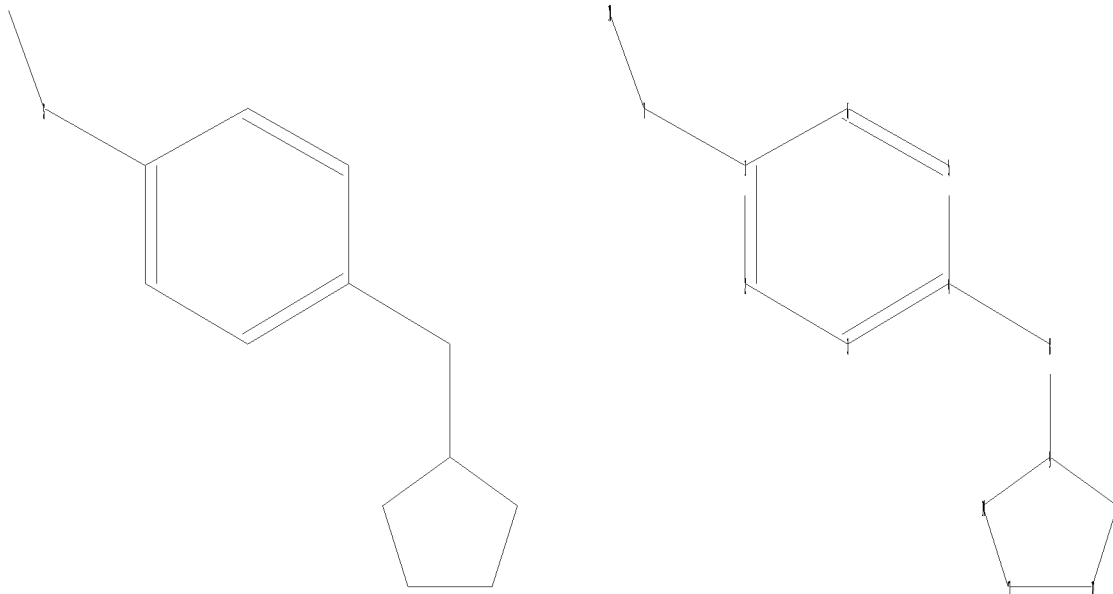
Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\10534338\cycolprop.str



```

chain nodes :
10
ring nodes :
1 2 3 4 5 6 9 11 12 13 14
ring/chain nodes :
7 8
chain bonds :
7-10
ring/chain bonds :
1-7 4-8 8-9
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-11 9-14 11-12 12-13 13-14
exact/norm bonds :
4-8 7-10 8-9 9-11 9-14 11-12 12-13 13-14
exact bonds :
1-7
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom

```

L29 STRUCTURE UPLOADED

```

=> s l29 fam full
FULL SEARCH INITIATED 18:12:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        2033 TO ITERATE

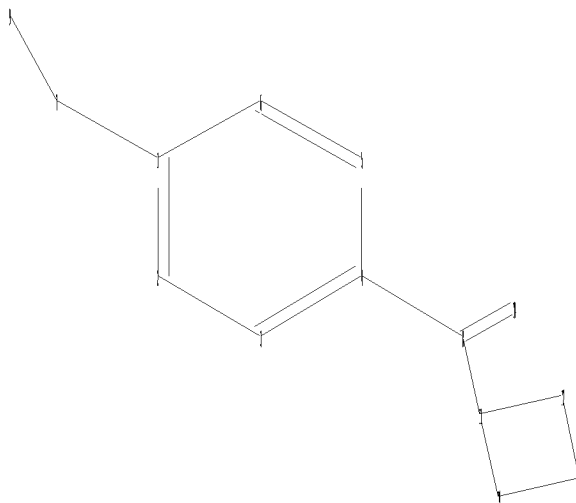
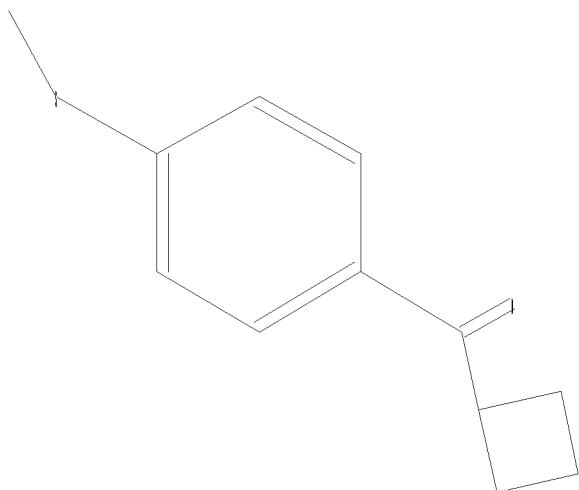
```

```

100.0% PROCESSED        2033 ITERATIONS                    1 ANSWERS
SEARCH TIME: 00.00.01

```

L30 1 SEA FAM FUL L29



```

chain nodes :
9 10
ring nodes :
1 2 3 4 5 6 11 12 13 14
ring/chain nodes :
7 8
chain bonds :
7-9 8-10 8-11
ring/chain bonds :
1-7 4-8
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-14 12-13 13-14
exact/norm bonds :
4-8 7-9 8-10 11-12 11-14 12-13 13-14
exact bonds :
1-7 8-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom

```

L8 STRUCTURE UPLOADED

```

=> s l8 exa full
FULL SEARCH INITIATED 10:52:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2 TO ITERATE

```

```

100.0% PROCESSED          2 ITERATIONS          1 ANSWERS
SEARCH TIME: 00.00.01

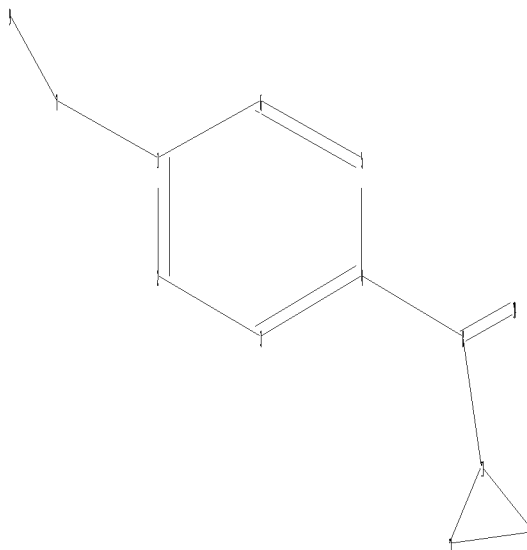
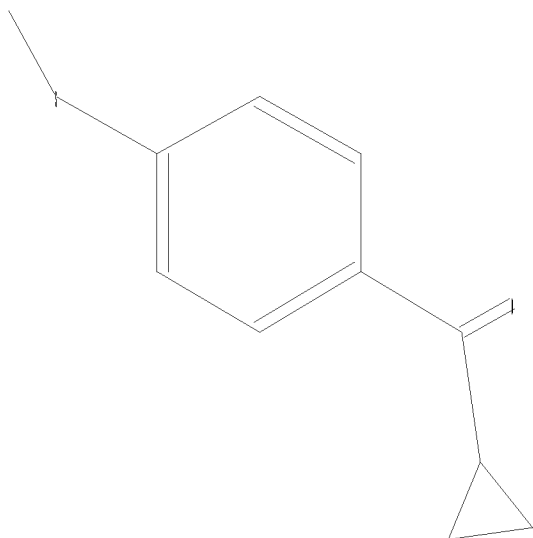
```

L9 1 SEA EXA FUL L8

```

=> file caplus
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          60.77          530.65

```



```

ring nodes :
1  2  3  4  5  6  11  12  13
ring/chain nodes :
7  8  9  10
chain bonds :
7-9  8-10  8-11
ring/chain bonds :
1-7  4-8
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  11-12  11-13  12-13
exact/norm bonds :
4-8  7-9  8-10  11-12  11-13  12-13
exact bonds :
1-7  8-11
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6

```

```

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:CLASS  9:CLASS  10:CLASS
11:Atom 12:Atom 13:Atom

```

L4 STRUCTURE UPLOADED

```

=> s l4 exa full
FULL SEARCH INITIATED 11:31:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -            3 TO ITERATE

```

```

100.0% PROCESSED            3 ITERATIONS            1 ANSWERS
SEARCH TIME: 00.00.01

```

L5 1 SEA EXA FUL L4

```

=> file caplus
COST IN U.S. DOLLARS            SINCE FILE            TOTAL
                                 ENTRY            SESSION
FULL ESTIMATED COST            60.31            380.34

```

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.60	-39.20

FILE 'REGISTRY' ENTERED AT 11:37:25 ON 14 JUL 2008
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 DICTIONARY FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

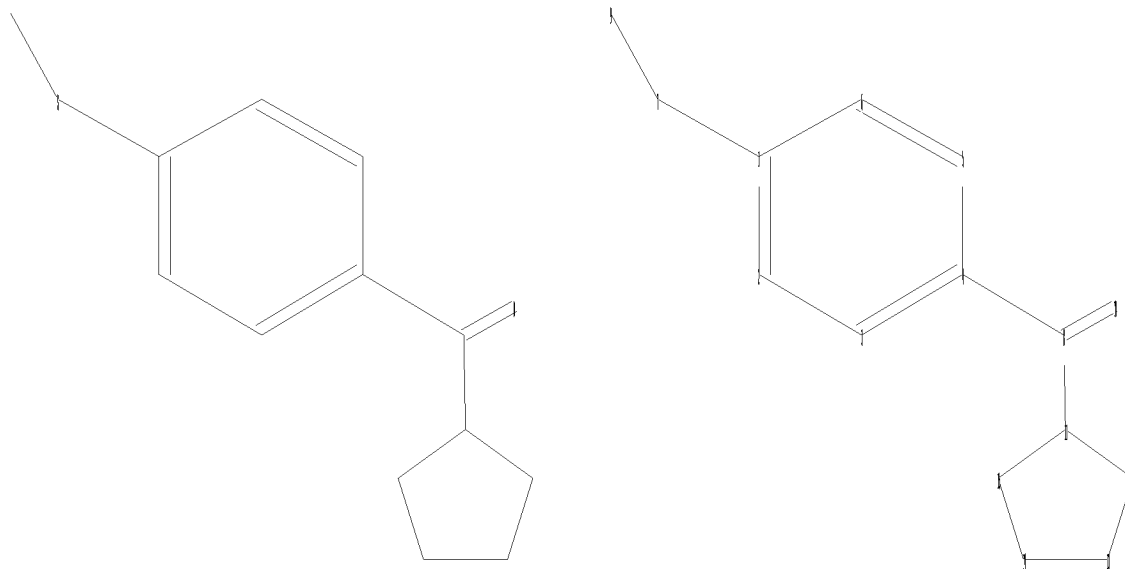
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

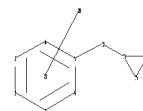
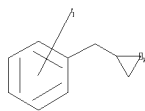
<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\mpepitone\My
 Documents\ChemDraw\10534338\methketocycpent.str



ring nodes :
 1 2 3 4 5 6 11 12 13 14 15
 ring/chain nodes :
 7 8 9 10
 chain bonds :
 7-9 8-10 8-11
 ring/chain bonds :
 1-7 4-8



```

chain nodes :
7 8 9 12 20
ring nodes :
1 2 3 4 5 6 13 14 15
chain bonds :
5-12 7-8 8-9 12-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-15 14-15
exact/norm bonds :
7-8 13-14 13-15 14-15
exact bonds :
5-12 8-9 12-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

G1:[*1]

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 12:CLASS
13:Atom 14:Atom 15:Atom 20:CLASS 21:Atom

```

L12 STRUCTURE UPLOADED

```

=> s l12 sss full
FULL SEARCH INITIATED 14:12:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 645036 TO ITERATE

```

```

100.0% PROCESSED 645036 ITERATIONS ( 2 INCOMPLETE) 1085 ANSWERS
SEARCH TIME: 00.00.07

```


FILE 'REGISTRY' ENTERED AT 14:16:40 ON 14 JUL 2008
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DICTIONARY FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

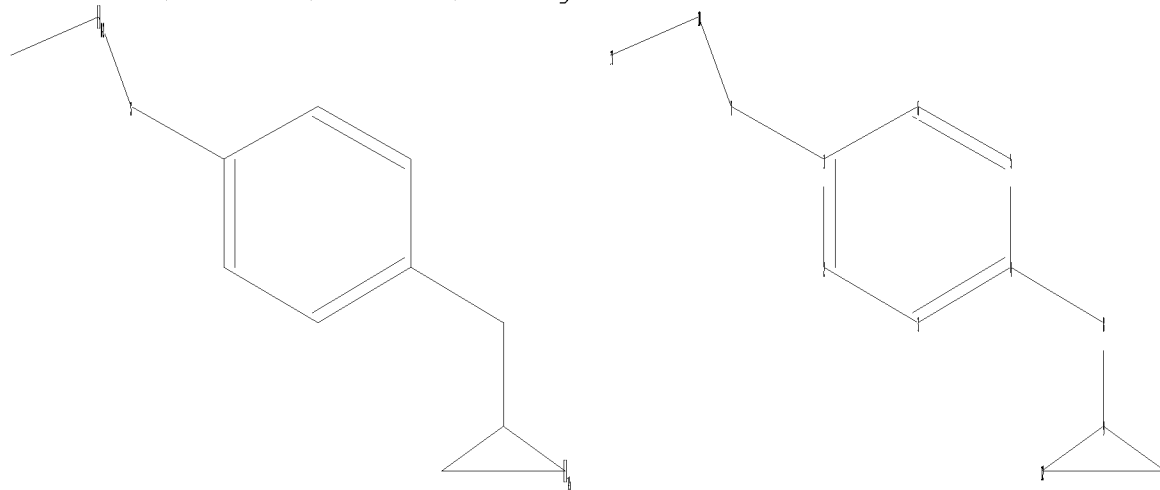
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\10534338\reafreg.str



chain nodes :
10 13
ring nodes :
1 2 3 4 5 6 9 11 12
ring/chain nodes :
7 8
chain bonds :
7-10 10-13
ring/chain bonds :
1-7 4-8 8-9
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-11 9-12 11-12
exact/norm bonds :
4-8 7-10 8-9 9-11 9-12 11-12

exact bonds :

1-7 10-13

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:CLASS

11:Atom 12:Atom 13:CLASS

L17 STRUCTURE UPLOADED

=> s l17 fam full

STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH

You have requested a full structure (EXA or FAM) search on a structure containing one of the special variable-atom symbols A, M, Q, or X, or a variable group G. Only bond variability is allowed in structures for EXA or FAM searches. Variable nodes are never permitted.

=> s l13 sss sam

SAMPLE SEARCH INITIATED 14:17:05 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 32057 TO ITERATE

6.2% PROCESSED 2000 ITERATIONS 5 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 630433 TO 651847

PROJECTED ANSWERS: 1065 TO 2139

L18 5 SEA SSS SAM L12

=> s l18 sss full

FULL SEARCH INITIATED 14:17:14 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 645036 TO ITERATE

100.0% PROCESSED 645036 ITERATIONS (2 INCOMPLETE) 1085 ANSWERS
SEARCH TIME: 00.00.07

L19 1085 SEA SSS FUL L12

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.82	809.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

FILE 'CAPLUS' ENTERED AT 14:17:36 ON 14 JUL 2008

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